Bell GPS Nav v1.0 user guide

GPS navigation suite for Bell Mobility

Table of contents

1. Welcome

The Bell GPS Nav v.1.0 is a turn-by-turn navigation application that operates in cooperation with your Research in Motion BlackBerry® 8830 device from Bell Mobility. Operating in real-time on the GPS network, its timely and accurate directions are sure to improve your driving experience

The Bell GPS Nav v.1.0 application provides:

- GPS navigation that punctually guides you turn-by-turn to any destination address in Canada and the continental U.S. If you miss a turn, or get off-track, Bell GPS Nav will recalculate a new route for you. You can enter one or more destination addresses by calling an automatic voice recognition system, keying them directly into the device, or by retrieving them directly from the BlackBerry Address Book. Optionally, you can input a remote origin and receive driving directions from that origin address to the selected destination address.

- A directory feature that allows you to find businesses and points of interest near your current location, or surrounding a waypoint, an entered address, or an airport. Save time by calling a business first to check availability of an item, or get a hotel reservation and then navigate to it. You can also save the address for use later in the day.

- Maps of the area around your current location, a marked waypoint, or an address you enter manually or have previously entered. You can rotate the map (adjust left/right/up/down), and zoom in or out. You can also mark a point under the cursor as a waypoint.

- A viewer that displays your current location relative to a selected waypoint, and navigates to that selected waypoint.

- The ability to mark the current location as a waypoint that can be labeled.

- A compass-like indicator presenting your direction of travel, location, and speed.

- The ability to personalize the application by selecting the use of imperial or metric distance units, the language for audible guidance, the volume and backlight level, the timing of displayed graphics, etc.

Bell GPS Nav partner servers support these enhanced services via the Bell Mobility data network.

2. Safety and legal notices

Please read this section carefully before using Bell GPS Nav.

Bell Mobility will not accept any responsibility whatsoever for accidents resulting from failure to observe common sense precautions. Your personal judgment, traffic regulations, and common sense must always take precedence over any driving direction produced by Bell GPS Nav.

WARNING: Keep your eyes on the road.

It is your responsibility, as the vehicle operator, to keep your eyes on the road and be an alert driver at all times, ESPECIALLY when the vehicle is moving. The vehicle operator should not be distracted by the application displays, audible cues, or manually interacting with the controls. When you need to enter data on your device using the keypad or study the display, please do so while the vehicle is parked, not while in motion. Should your ability to drive responsibly be decreased, please turn off the device.

WARNING: Install the equipment safely.

If you are using a device mounting kit, make sure that it does not obscure your vision. You may wish to charge the device while using Bell GPS Nav. If so, make sure the charging cable does not interfere with any of the vehicle controls.

WARNING: Drive safely and use common sense.

The vehicle operator's personal judgment, traffic regulations, and common sense must always take precedence over the instructions provided by Bell GPS Nav.

It is your responsibility as the vehicle operator to drive safely, observe all traffic rules, and above all use your own personal judgment while driving. If you feel that a route suggested by the navigation software instructs you to perform an unsafe or illegal maneuver, places you in an unsafe situation, or routes you into an area which you consider unsafe, do not follow the instructions.

3. Data service options

The Bell GPS Nav application that you install on your device requires a means of accessing the public Internet, which is typically provided by your carrier's data network.

Bell GPS Nav communicates with the Bell Mobility partner servers to get routing, maps, and points of interest via Bell Mobility's data network. You do not need to purchase additional data services if you already have a data or email services plan for your device. However, if you do not already have a data or email services plan, you must order one from Bell Mobility so you can use the Bell GPS Nav application.

Bell Mobility customer support

Dial *611 from the Mobile Device or 1800667-0123 (no airtime charges apply)

4. The phone controls

This manual references the control keys for the BlackBerry 8830 device.

BlackBerry 8830 Controls

Speaker on/off

Headset jack
USB port

Audio volume

MENU key

ESCape key

Trackball

ALT key

DELete key

Enter key

Space key

TIP: To advance through Bell GPS Nav, press the trackball or use the **Enter** key. Use the trackball on forms to advance row by row.

Clicking the **Menu** key or the trackball while using Bell GPS Nav may give you a variety of options, depending on what screen you are on. The options are discussed in the appropriate sections below. There is usually an option for **Help** and one to take you back to the Home Page to reduce the number of times you would have to press the **Escape** key.
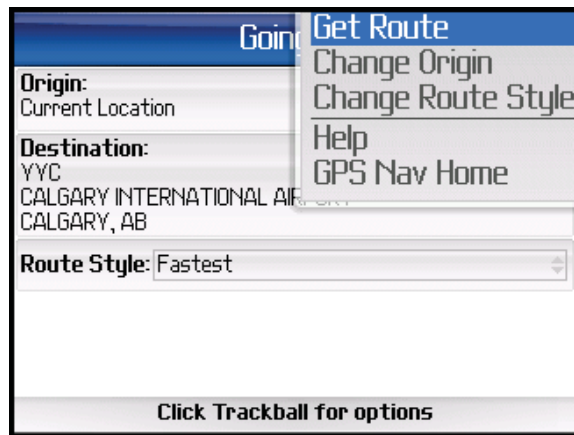
5. Getting started with Bell GPS Nav

The Bell GPS Nav application that resides within your BlackBerry 8830 requires a Bell Mobility subscription and means of accessing the public Internet.

Bell Mobility account

You can create a Bell Mobility account by dialing *611 from the Mobile Device or 1800667-0123 (noairtime charges apply).

Bell GPS Nav uses the public Internet to access its servers for mapping, routing, and search services from your device. If you are not using your BlackBerry for email services, you will still need to add an individual BlackBerry email plan to have access to data services. There are three different network settings for you to select from. Wait 90 seconds after turning on your BlackBerry to allow these service options to register. Access methods are automatically determined by Bell GPS Nav when it launches, but you can change the settings from within the Bell GPS Nav Preferences menu.

6. Downloading Bell GPS Nav

1. Click on the Virtual Preload Icon on the BlackBerry Main Menu.

   • If the Virtual Preload Icon does not appear on the BlackBerry Main Menu, please type the following URL on your BlackBerry Browser **www.bell.ca/gpsnavdownload**

2. A page appears with brief information about the GPS Nav application. Choose the "Accept and Download" option for Bell Mobility customers.

NOTE: Aliant customers should refer to the separate Quick-Start Guide for downloading GPS Nav.

7. Launching Bell GPS Nav

If the application menu is hidden, press the **Menu** key to expose it. Highlight the Bell GPS Nav icon on the BlackBerry Home Screen and press the trackball button or the **Enter** key.

Bell GPS Nav's icon

If you are using a list theme, scroll down to Applications and enter the applications menu. Then scroll down to **Bell GPS Nav** and press **Enter**.

After starting Bell GPS Nav, the splash screen will appear for a few seconds.

The first time you use Bell GPS Nav, you must grant Bell Mobility access to the network so it can authenticate your account, retrieve maps, get navigation routes, and search for businesses.

When you see the screen to the right or the one below, choose **Yes** to allow access. You may want to select the **Don't ask this again** checkbox so you will not have to see this message on subsequent logins. If you click **No**, Bell GPS Nav subscription functions will not work. You will have to reset the BlackBerry firewall in order to choose the correct option.

NOTE: Your BlackBerry Enterprise Server™ administrator can set network access policies to challenge Bell Mobility's attempt to establish a network connection or deny it altogether.
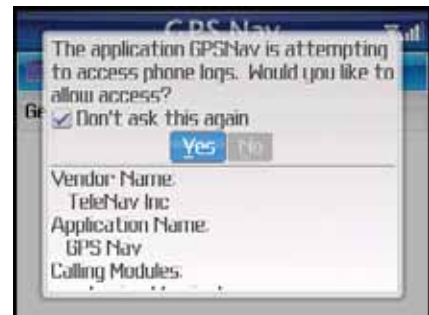
You will then be asked to set your language preference settings. Your choice will directly affect the language displayed throughout the application and the audible directions.

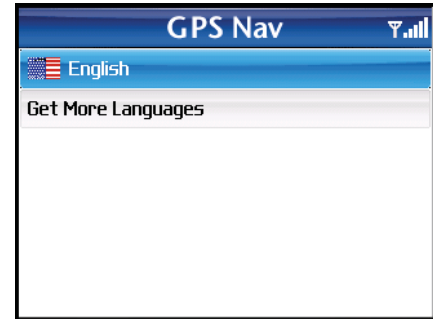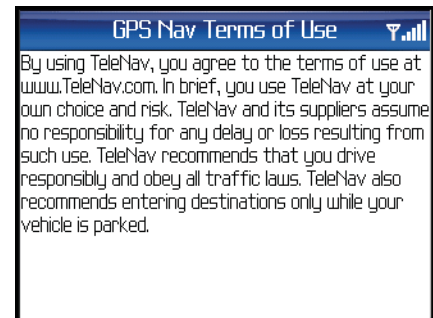**TIP:** The language settings can be modified in the Bell GPS Nav Preferences menu.

Terms of use

Next, in order to continue the registration process, you must agree to the Terms of Use.

Account verification

Press the trackball and choose **Accept** to continue. Your account number will automatically be verified.

If valid, you will be allowed to continue.

If invalid, you will be asked to manually type in your 10-digit phone number and re-submit for verification.

NOTE: If you do not want to accept the Terms of Use, press the trackball and select **Exit GPS Nav**.
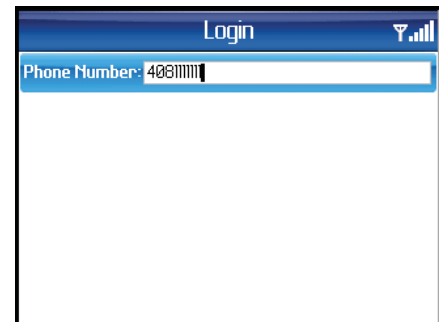
Purchase plan options

Bell Mobility offers you two plan choices: a monthly subscription plan and a Pay-per-Day (PPD) plan. A monthly subscription plan applies a monthly recurring charge to your account and allows you unlimited monthly usage of the application. A PPD plan allows you unlimited usage of the application for 24 hours.

If you have a monthly subscription plan, you will next see the Warning page.

If you are currently on a PPD plan, you will view screens displaying purchasing options. Select a plan and confirm purchasing. If purchasing is successful, you will then see the Warning page.

NOTE: Aliant customers currently only have the option of purchasing a monthly subscription plan.

Warning page

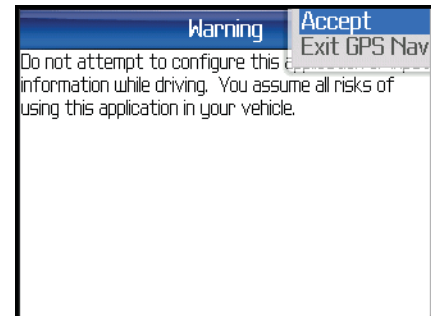If you accept the conditions on the Warning page, click the trackball to expose the menu and choose **Accept** to continue.

During your first use of Bell GPS Nav, the device will download the audible and graphical content needed to build the displays and produce audible messages. The alert screen similar to that shown on the right will indicate that this is taking place. Download times depend on whether your coverage is on the Bell core network or high-speed mobile network.

When Bell GPS Nav is using data service to contact the Bell Mobility servers, it will present a message like: a) Reading GPS, b) Waiting, c) Sending, d) Receiving, e) Logging in, f) Personalizing, g) Loading, and h) Storing.

NOTE: Do not interact with the BlackBerry while this download is underway. Wait for it to finish. When the download is completed, you will see the Bell GPS Nav Home Menu.

NOTE: If, after you press the trackball, Bell GPS Nav indicates that it *cannot* reach the Bell Mobility servers, the most likely reason is that your data service plan is not active. If so, you will be notified at this point to extend your service agreement. You will not be able to progress beyond this point until your account is returned to current status. You may also see an important message from Bell GPS Nav regarding upgrades, scheduled downtime, pending account expiration, etc.

When the device reaches the Bell Mobility partner servers with a valid and active phone number, the device will be registered to use Bell GPS Nav and will not present any of the above screens except the Warning and splash screens in the future.

8. Bell GPS Nav menu overview

This section gives you a brief overview of the Bell GPS Nav menus.

Main menu

The Bell GPS Nav Main Menu options are:

- Drive To
- Directory
- View Maps
- Tools/Extras

You can return to Bell GPS Nav Home using **Menu** and choosing **Bell GPS Nav Home** from elsewhere within Bell GPS Nav. This will decrease the amount of clicks it would take to get to the Main Menu by pressing **Escape**.
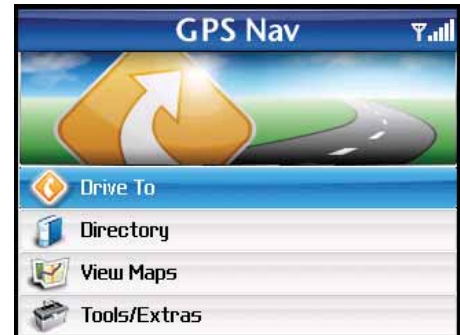
Drive To menu

You can select a variety of ways to get driving directions to a destination.

See page **14** for more information on how to use the Drive To menu.

The Drive To Menu options are:

- My Favorites
- Recent Places
- Address
- Intersection
- Business
- Airport
- Address Book

Select one of these menu items or use the **Escape** key to return to the Bell GPS Nav Main Menu.

Directory menu

The Directory menu provides you with several options to find the addresses and phone numbers of businesses such as restaurants, motels, and gas stations, as well as other places like churches, schools, government offices, and police and fire stations.

See page **30** for full details on this feature.

The Search Menu options are:

- What (type in a search keyword)
- Search All Categories
- Search Within Category
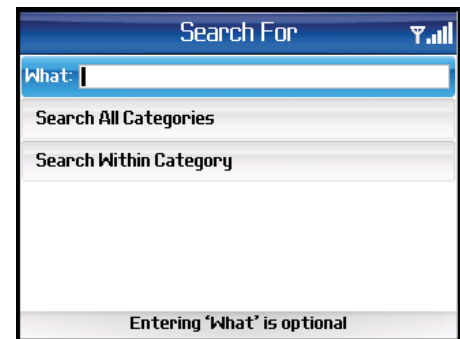
View Maps menu

You can use the View Maps menu to view a map of:

- Your Current Location
- A Favorite Place
- A Recent Place
- An Address you type in
- An Intersection
- A Business
- An Airport
- An Address Book location

See page **33** for full details on these features.
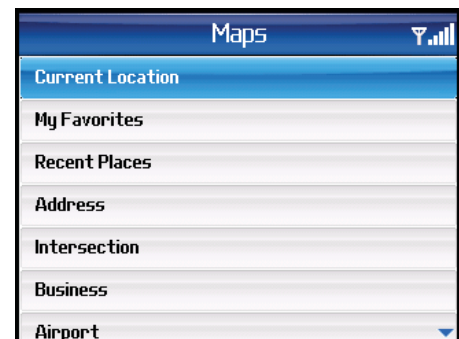
Tools/Extras menu

The Tools/Extras menu gives you options for setting your preferences and other features.

See page **35** for full details on these features.

The Tools/Extras Menu options are:
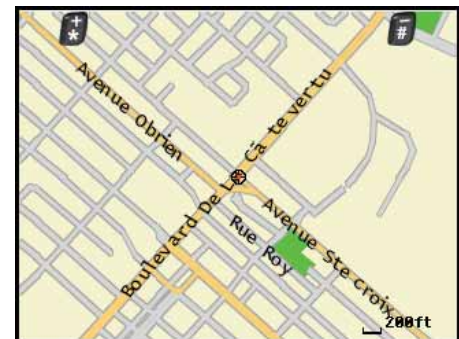
• Record Location

• Compass

• Preferences

• Give Feedback

• Support
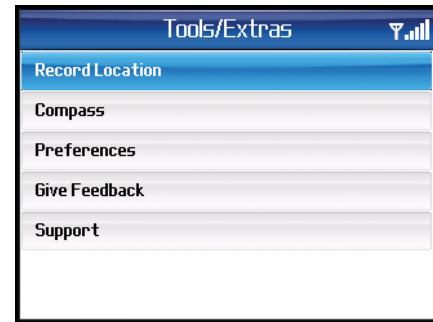
9. Drive To menu

There are three ways to get driving directions to a desired location (follow the **See Page** links for details about these features).

1. Select the **Drive To** option from the Bell GPS Nav Main Menu. Then select one of the seven Drive To menu options shown below.
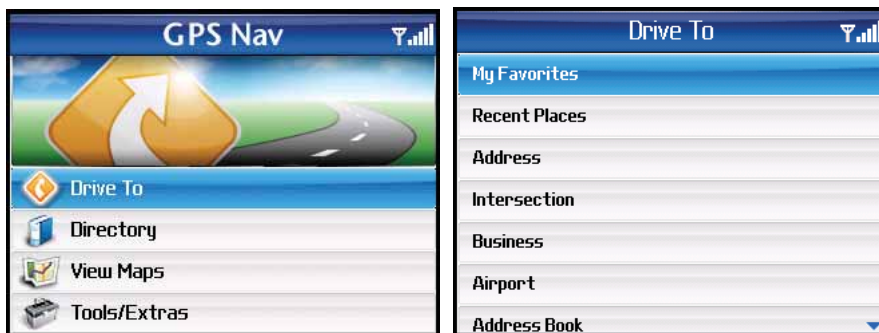
2. Use the **Search** option on the Bell GPS Nav Main Menu and search for a Point of Interest. Then **Drive To** that location.

3. Select **View Maps** from the Bell GPS Nav Main Menu and choose a location. When the map is displayed, click the trackball to expose the menu and select the **Drive To Cursor** option.
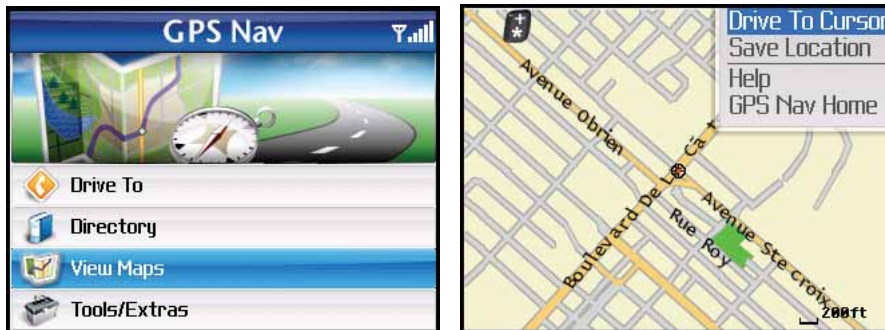
The Going To screen usually appears before your navigation route is displayed so you can confirm your trip. Click the trackball on this screen to change your trip preferences.
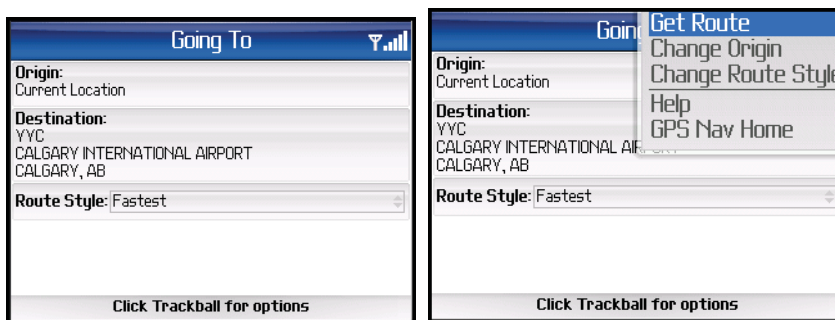
In the menu, you can select **Get Route** to get the route right away. You can also choose **Change Origin** (to start navigation from a different location), **Change Route Style** (to take the fastest route, shortest route, etc.), get **Help**, or go back to the Home Page.

To use the Drive To menu, do the following steps:

1. Select **Drive To** from the Bell GPS Nav Main Menu.

2. Select one of the following options from the Drive To menu as shown in the illustration to the right and discussed below.
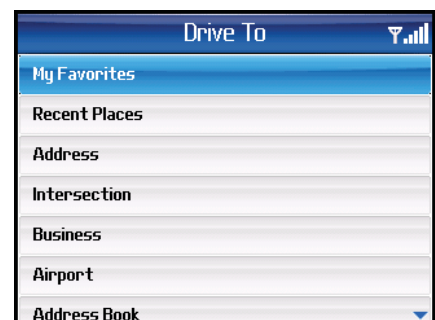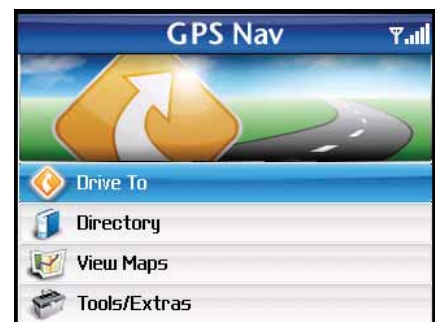
My Favorites

Quickly access places that you have found and saved in the past in My Favorites. Many Bell GPS Nav users save their home and work addresses as Favorites so they can easily reuse the addresses later. For instructions on how to save a Favorite, see Record Location on page **35**.

If your Favorites list gets very large, it may be easier to use the Find function to find your desired Favorite. To use the Find function, enter one or more alphanumeric characters in the Find field. As you type, the closest match(es) will appear at the top of the list.

1. In the My Favorites screen, choose your desired location and click the trackball.

2. The Going To confirmation screen appears. Click the trackball to view more options:

   • **Get Route** – Start the navigation session.

   • **Change Origin** – Enter a different origin. The Going From screen appears so you can pick a new origin.

   • **Change Route Style** – Change the route style for the trip.
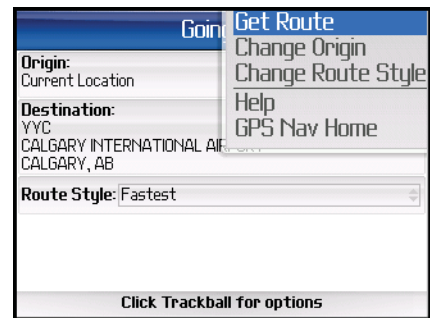
Deleting a favorite

You can delete a Favorite that you no longer want in your list.

1. In the My Favorites screen, highlight the location you want to delete and click **Menu**.

2. Choose **Delete It**.

3. Click **Yes** on the confirmation popup.

NOTE: There is no provision for recovering an unfortunate deletion!
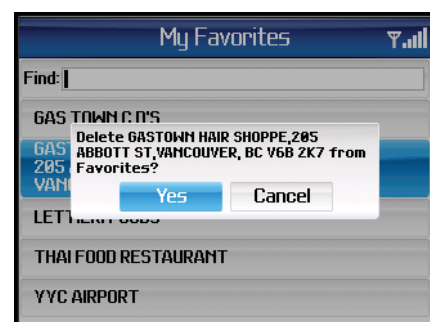
Recent Places

Recent Places are addresses used recently for navigation, directions, directory searches, or mapping. When an address in the list is used within Bell GPS Nav, it is promoted to the head of the list.

Bell GPS Nav automatically saves all of the places that you:

• Viewed as a map.

• Located using a street address, intersection, or airport.

You can get directions to a Recent place, view maps of the Recent place, or save a Recent place to your Favorites list. Your Recent places list can grow to an unlimited length.

If you have a large Recent Places list, it may be easier to use the Find function to find your desired Recent Place. To use the Find function, enter one or more alphanumeric characters in the Find text box. As you type, the closest match(es) will appear at the top of the list.

1. You can press the **Menu** key on the Recent Places screen to Drive To, Map, Save the Recent Place to Favorites, or Delete the Recent Place.

2. In the Recent Places screen, choose your desired location and click the trackball.

3. The Going To confirmation screen appears. Click the trackball to change your trip preferences or to get the route.

NOTE: Selecting **Drive To** from the Recent Places menu also takes you to the Trip Confirmation screen.
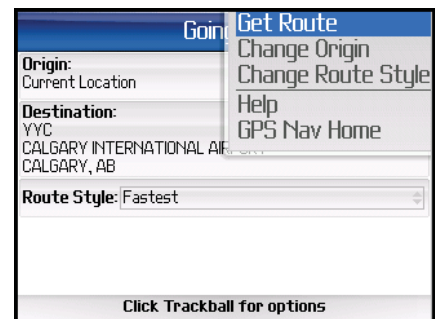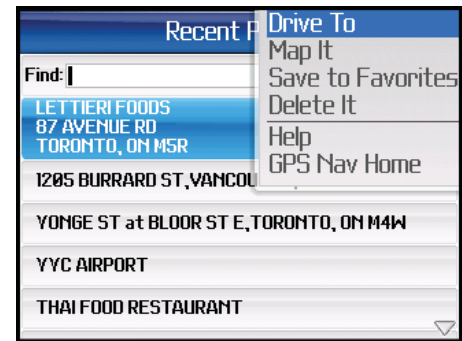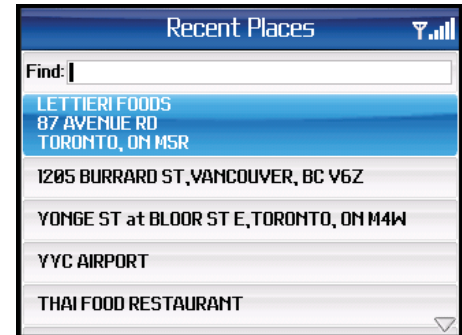
Address – typing in

Enter a street address by typing in the appropriate fields. You can get directions, view a map of the address, or save the address to your Favorites list. The address is automatically saved to your Recent Places list.

1. On the Drive To menu, select **Address**, then choose **Type in Address**.

2. Type in a street address. Partial entry (5 or more letters) is acceptable for the street name. You can also leave the Address field blank and just type in a city and province or postal code to use the address of the city's center. As you enter characters in the City field, nearby cities beginning with these letters will automatically be suggested. To save time, you can select a city before you finish typing.

TIP: Coaching for the use of each row is available by clicking **Menu**, and selecting **Help**.

NOTE: Clicking the **Menu** key will expose a menu with more options you can choose from.

3. To save the address to your Favorites, highlight the **Save to Favorites** checkbox and click the **Space** key to check it. You will be prompted on the next screen to assign a name to the Favorite.

4. Click **Menu**, and select **Submit** when you are done typing. You can also enter an address by Calling In (see page **38**).

5. Bell GPS Nav checks to see if the address that you entered can be found. You will be prompted to modify the address if it is too new to be found in the mapping database or if the street number does not exist. Bell GPS Nav may also propose an address closest to the range of your entry.

6. The Going To confirmation screen appears.
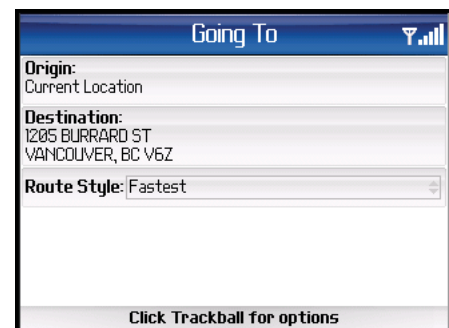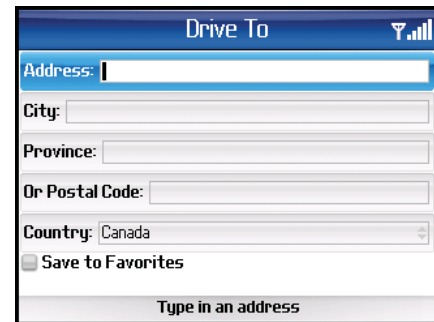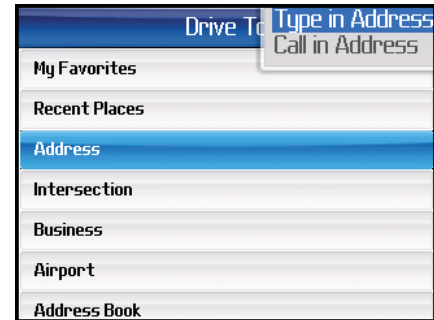
NOTE: You can change your Navigation Options while in navigation mode. See page for **23** further details.

Address – calling in

The auto voice entry system in Bell GPS Nav can be utilized in two different ways:

- Before starting Bell GPS Nav, call the Voice Address Input System at 877-886-9762 and dictate your address as prompted, or

- Select the **Call in Address** option on the Drive To menu as described below.

1. On the Drive To menu, select **Address**, then choose **Call in Address**. This places a call to the Bell Mobility server.

2. Follow the voice prompts to dictate your address.

3. After you have entered the address, click the trackball and choose **End Call**. You will return to your previous screen.

4. The address is automatically saved to your Recent Places list.
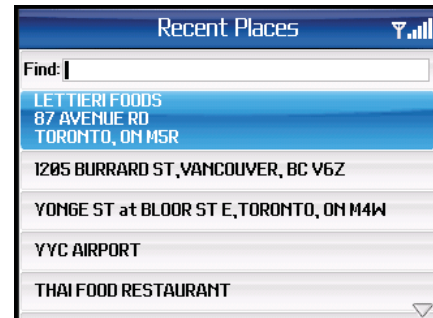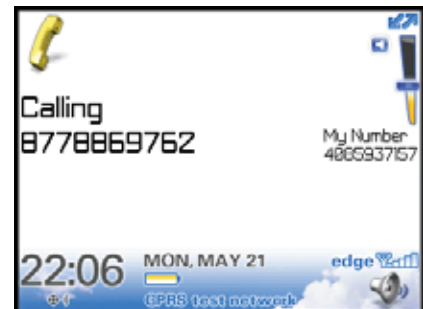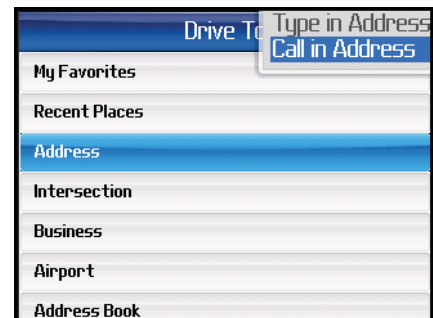
The following section contains an example of what you might hear and say when using the Call In option for entering an address:

GPS Nav prompt: Welcome to TeleNav![MW4] Let's get your destination. Is it a street address, an intersection, or an airport?

Your response: Street Address.

GPS Nav prompt: OK. Tell me the five digit ZIP code, or the city and state[MW5], for a Canadian address say the city and Province. Like Toronto, Ontario.

Your response: Vancouver, British Colombia.

GPS Nav prompt: I heard Vancouver, British Colombia. Say GO BACK if this is not correct. <pause> Say the street including both the number and name, like 422 Main Street. <pause> It can also be a highway.

Your response: 1205 Burrard Street.

GPS Nav prompt: I heard 1205 Burrard Street. Say GO BACK if this is not correct. <pause> Great, your destination has been entered: 1205 Burrard Street, Vancouver, British Colombia V6Z. Would you like to enter another?

Your response: <Silence> (assuming that 1205 was correct).

GPS Nav prompt: Thanks for calling TeleNav.

The Voice Address Input System may ask you for an account number if caller ID is not working. Simply dictate the number as prompted, or key in your mobile phone number followed by pressing **#**. If this happens, select **Preferences**, and then choose **Call In** to change to the other dialing number.

The recognition system may reply back with an incorrectly recognized input. When this happens, simply say, **Go Back** and repeat the data entry. The voice system may advise you that a street number is out of range and provide the proper range of numbers for you to use. Provide a number that is within the range or nearest the end of the range that you are sure is valid. If you say **Intersection** and then provide a crossing street name, the voice system may advise you that the streets you provided do not actually cross and allow you to change either street name or both street names. Select the name you want to change by saying it, and then provide the correct name.

You can also say **My Home** or **My Work** to program these addresses for use on the device. If you want to change one of these addresses, say **My Home** or **My Work**, wait for the current address to be repeated back to you, and then say **Update**. You can also say **Airport** and then give the name of the airport, its location city, or its market city name.

Intersection – typing in

Enter an intersection by typing in the appropriate fields. You can get directions, view a map of the intersection, or save the intersection to your Favorites list. The intersection is automatically saved to your Recent Places list.

1. On the Drive To menu, select **Intersection** and then choose **Type in Address**.

2. Type in an intersection. You can also leave the Street fields blank and just type in a city and province or postal code to use the address of the city's center. As you enter characters in the City field, nearby cities beginning with these letters will automatically be suggested. To save time, you can select a city before you finish typing.

NOTE: Clicking the **Menu** key will display more options for you to choose from.

3. To save the intersection to your Favorites, select the **Save to Favorites** checkbox and click the **Space** key to check it. You will be prompted on the next screen to assign a name to the Favorite.

4. Click **Menu** and select **Submit** when you have finished typing. You can also enter an intersection by Calling In (see page **38**).

5. Bell GPS Nav checks to see if the intersection that you entered can be found. Bell GPS Nav prompts you to modify the name of the intersection if one of the streets does not exist, if the streets do not cross, or if the address is too new to be found in the mapping database.

6. The Going To confirmation screen appears.
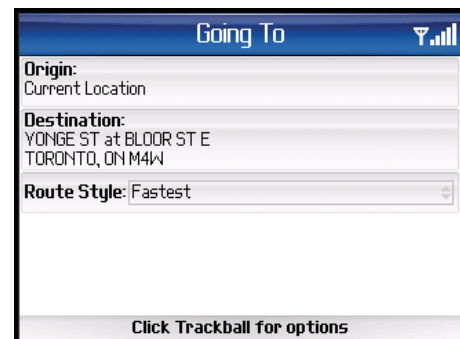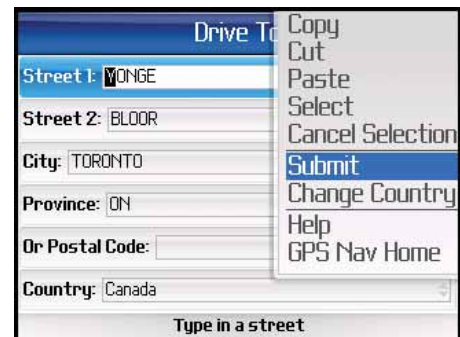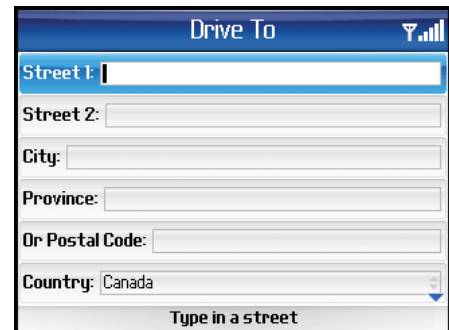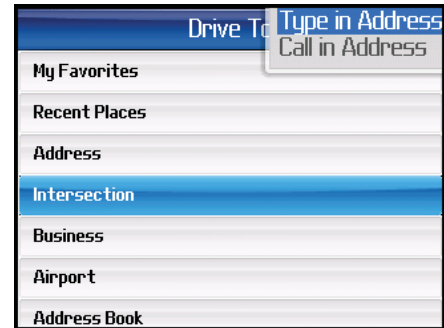
Intersection – calling in

1. On the Drive To menu, select **Intersection** and choose **Call in Address**. See "Address – Calling In" on page **19** for more details on this feature.
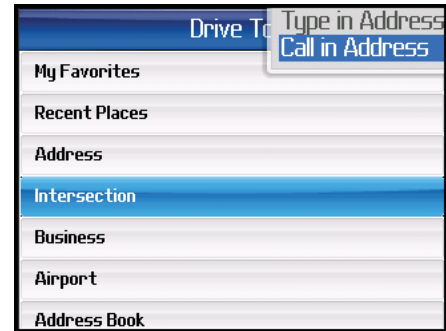
Business

Bell GPS Nav offers a full national business directory. Search by popular categories or access an extensive directory.

In the directory, you can find the addresses and phone numbers of businesses such as restaurants, motels, and gas stations, as well as other places like churches, schools, government offices, and police and fire stations.

Once you find what you are looking for, you can get audio-visual driving or walking directions, place a call, view a map, or save it to your Favorites list. The Directory search result is automatically saved to your Recent places list.

In the Search For screen, choose a category to begin your search. See the Directory Menu section on page **30** for more details on this feature.
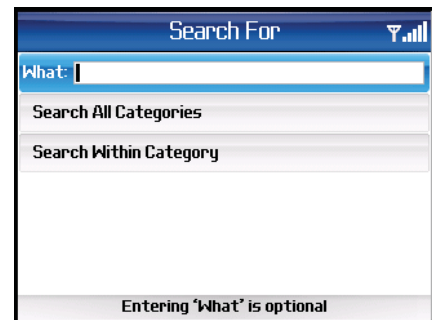
Airport

Quickly find airports by Airport Code or City Name. You can get driving directions to an airport, view a map, or save the airport information to your Favorites list. The airport is automatically saved to your Recent places list.

1. In the Airport screen, type either the three-letter abbreviation of the airport, or the airport name. As you type, matching airports will be suggested. You may highlight and select one of the suggestions to save you keystrokes.

2. Click the trackball to confirm your choice. You will be taken to the Going To confirmation screen.
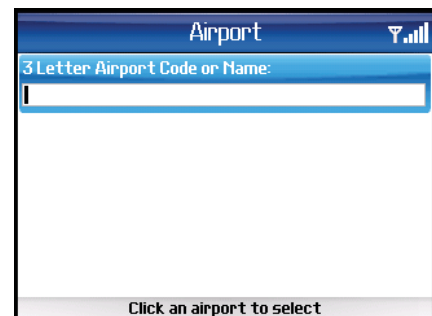
Address Book

Quickly find addresses that you have saved in your BlackBerry Address Book. If you have a large Address Book, it may be easier to use the Search function to find your desired address. To use the Search function, enter a First or Last name of a contact in the Search text box. As you type, the closest match(es) will appear at the top of the list.

1. In the Address Book screen, select a contact to drive to.

2. Click the trackball to confirm your choice. You will be taken to the Going To confirmation screen.
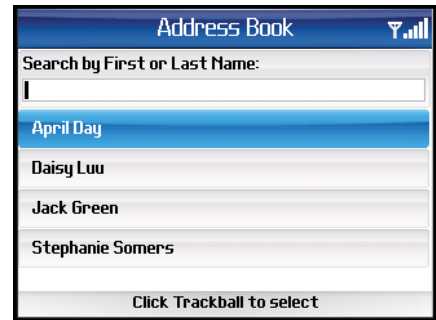
Navigation options (Going To screen)

After you select a Drive To location, the Going To confirmation screen appears.
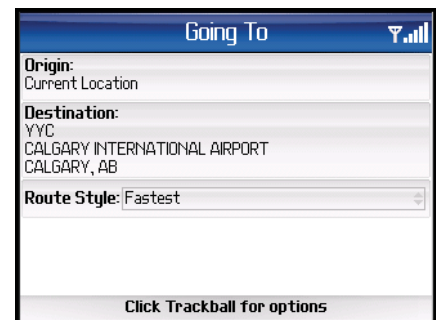
Bell GPS Nav assumes that you want to start from your current location, but you can click the trackball for additional menu options.
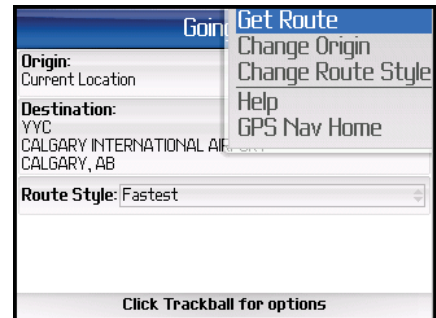
Choose **Change Origin** to start navigation from a different location that you select. You will be taken to the Drive From screen. The options of this screen are almost identical to the Drive To screen.

You can also choose **Change Route Style** for your trip. Select one of the following options in the Route Style menu:

- **Fastest** – This default Route Style finds the fastest driving route.

- **Shortest** – This Route Style may or may not take more time to drive but it shows you the shortest distance.

- **Prefer Streets** – Use streets instead of highways if possible.

- **Prefer Highway** – Use highways instead of streets if possible.

- **Pedestrian** – Find walking directions.
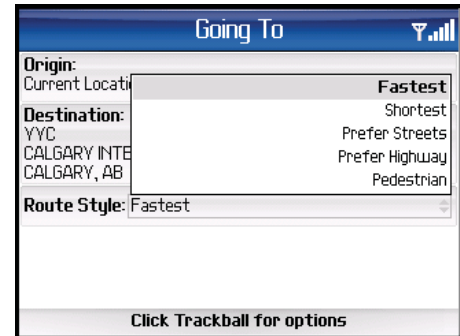
NOTE: The Pedestrian route style may make your walking route easier, for example by allowing you to take advantage of going the wrong way down one way streets. As always, use your common sense to determine the safety of any route.

Initial driving directions

Within a few seconds of selecting a Drive To location, Bell GPS Nav calculates what it believes to be an optimal route to your destination and tells you how to start your trip.

If you are not moving, Bell GPS Nav may not know your direction of travel, so the first few driving directions may be incorrect since Bell GPS Nav may initially make an incorrect assumption. However, once you start moving, Bell GPS Nav learns your direction of travel and provides an updated set of driving directions.

For more information about navigation views, see page .

GPS origin refinement

If you are using GPS navigation and you are in a parking lot or similar area where your location does not exactly map to a specific street, you may see a popup that shows Bell GPS Nav's best estimate of which street you are on (the I Found You On screen). This gives you the opportunity to change the starting street.

If you elect to change the starting street, a list of neighboring streets appears, and you can make an alternate selection from the list. If you do nothing, the first popup disappears after a few seconds and Bell GPS Nav uses the default street as the starting location.

If you are not sure which street you are on, simply start driving. BellGPS Nav detects your current location and recalculates your driving directions as needed.

Audible guidance tones

Bell GPS Nav delivers spoken audible directions as you drive. A preparatory audible tone is typically heard no less than 30 seconds before reaching a turn, and an action audible tone is typically heard no less than 10seconds before reaching a turn. The preparatory audible tone may not be sounded if the distance to the next turn only allows time for the action tone.

The lead times for the audible guidance tones are increased proportionally to your driving speed. This allows more time for changing lanes before a turn if you are driving at highway speeds, as opposed to driving more slowly on local streets. A Preference setting determines whether street names are included in the messages or not. Enabling street names increases packet data usage.

Audio replay

If you wish to hear an updated informational message for the current route segment, simply press the **Space** key.

Miss a turn?

Whenever you miss a turn, turn the wrong way, or otherwise get off the planned route to your destination, Bell GPS Nav will audibly announce **New Route**, and automatically recreate a new set of directions to your desired destination. Just keep driving, and Bell GPS Nav will soon have you back on track.

It may take approximately 15 to 30 seconds for Bell GPS Nav to update your route. If during this process you make additional deviations from your current route, Bell GPS Nav may have to contact its servers for another new route.

Since Bell GPS Nav requires access to your carrier's network, if you are off route and outside of the carrier's coverage area, you must return to your carrier's coverage area in order for Bell GPS Nav to recalculate your route.

Navigation views

The default navigation view is 3D moving maps, but you may wish to use another option when you are navigating. Pull over and stop your vehicle in a safe place before changing navigation options. You may even wish to plan your trip before you start by looking at other navigation views.

You can access other navigation views after you start a navigation session, for example from the Drive To menu. Press the trackball to select from the menu options as shown in the illustration to the right.

When you arrive at your destination, use **Menu** to return to the Bell GPS Nav Main Menu.

To repeat an audio prompt during navigation, press the **Space** key.

The View menu has the following options:

3D moving map

A 3-dimensional map with turn icons (default).

This view allows you to see how the road ahead is organized, similar to the perspective of a bird flying 50 feet above the route. You can see the route to your destination as a blue overlay on one of the roads with white triangles leading you in the correct direction.

The name of the street you are currently on is displayed at the bottom of the screen. About two minutes before the next turn, the street name changes to the one you will turn onto. You can change this option in Preferences so that immediately after the prior turn, the name becomes that of the street you will turn onto.

2D moving map

NOTE: This option may be hidden from the Nav View menu unless it is enabled by selecting **Tools/Extras**, and choosing **Preferences** then **Nav View**.

This view allows you to see how the road network is organized, similar to the perspective of a cartographer looking down on a map.

The name of the street you are currently on is displayed at the bottom of the screen. About two minutes before the next turn, the street name changes to the one you will turn onto. You can change this option in Preferences so that immediately after the prior turn, the name becomes that of the street you will turn onto.

Map control keys

In 3D and 2D moving maps, you can **zoom** in or out while doing run-time navigation. You can also **pan** the map up, down, left, or right. There is a small network activity indicator comprised of two arrows in the upper right corner of the display that will appear when you change the map scale factor. If you pan out of the current route, the map will snap back to the current route after 15 seconds with no click activity.

BlackBerry 8830 Map Controls

Volume Up

Volume Down

Zoom Out (#)

Zoom In (*)

Pan Left (S)

Pan Up (E)

Trackwheel can also be used for pan

Pan Right (F)

Pan Down (X)

Turn icons

This view allows you to see the next two consecutive turns in your navigation route.

The name of the street you are currently on is displayed at the bottom of the screen. About two minutes before the next turn, the street name changes to the one you will turn onto. You can change this option in Preferences so that immediately after the prior turn, the name becomes that of the street you will turn onto.
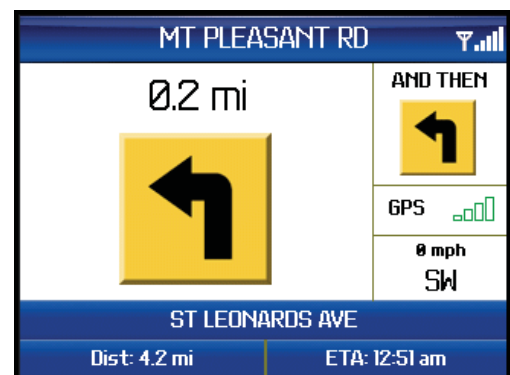
The content on the Turn Icons navigation view is explained below. The large main turn icon indicates which way and how you should turn when you reach the intersection.

Name of the street you will turn onto

MT PLEASANT RD

0.2 mi

AND THEN

Next turn

GPS signal strength

GPS

Name of the street you are on

0 mph
SW

Speed and direction of travel

ST LEONARDS AVE

Distance remaining

Dist: 4.2 mi

ETA: 12:51 am

Estimated time of arrival
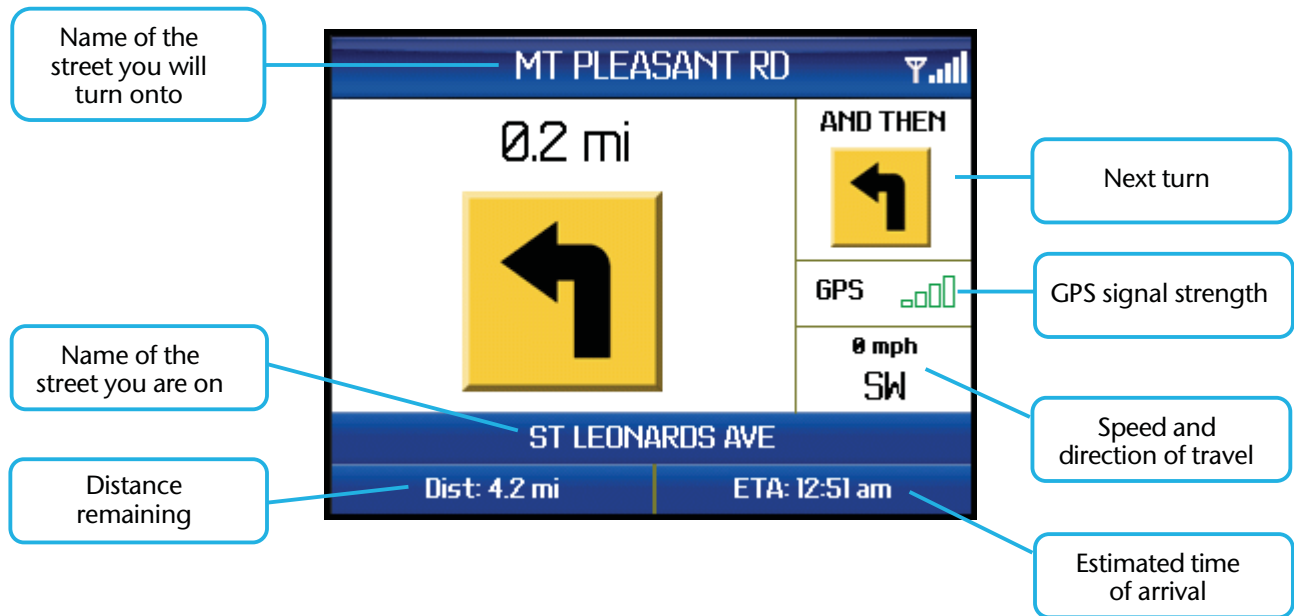
Route summary

A text listing of every turn for this navigation session from your starting location to your destination along with mini turn icons.

Total Dist: 4.2 mi	Time: 00h 09m		
Go	Turn	Street	
0 ft	🚩	ST LEONARDS AVE	
0.2 mi	↰	MT PLEASANT RD	
0.3 mi	↱	BLYTHWOOD RD	
0.3 mi	↰	YONGE ST	
2.2 mi	↱	BALMORAL AVE	
0.4 mi	↰	AVENUE RD	

Click SPACE key for audio

Map summary

The entire route from your starting location to your destination is drawn on a map. The route is displayed as a blue line connecting the Start and Finish flags.

Search along

Use the Directory to find the desired locations along your navigation route. For example, find every Mexican restaurant on your route between Vancouver and Toronto. This also displays how many miles off your route each restaurant is. Select a restaurant from the Search Along list to get driving directions from your current location to the restaurant.

Search For

What: RESTAURANTS

Search All Categories

Search Within Category

Entering 'What' is optional

10. Directory menu

The Directory menu provides you with a few different ways to find the addresses and phone numbers of businesses such as restaurants, motels, and gas stations, as well as other places like churches, schools, government offices, and police and fire stations.

If the search succeeds, you will be presented with a list of businesses that are near the search point, or within the search area you specified. If the search fails, a popup will be presented showing that nothing was found, and you have the option of accepting an expanded area search. Searches do not expand beyond 24 km/15 miles from the initial reference point.

Once you find what you are looking for, you can get audio and visual driving or walking directions, view a map of the location, or save the location to your Favorites list. You can also place a call to make reservations.

To use the Directory feature, conduct the following steps:

1. From the Bell GPS Nav Main Menu, select **Directory**.

2. You have the following search options:

    •   Enter a search keyword in the **What** field.

    •   Select **Search All Categories** to search for the keyword in the entire directory.

    •   Select **Search Within Category** to access the Directory tree and manually narrow down your search.
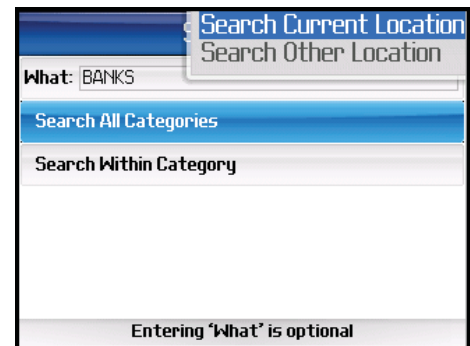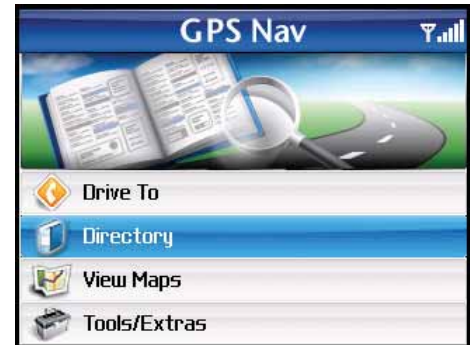
Search All Categories

1. Enter all or part of a business name in the **What** field, and select **Search All Categories**. You can choose to either search for the business near your current location, or near another location that you specify.

2. If you select **Search Other Location**, the Search Near screen appears. Select a place to conduct your search. You can choose from Current Location, My Favorites, Recent Places, Address, Intersection, Airport, or Address Book.
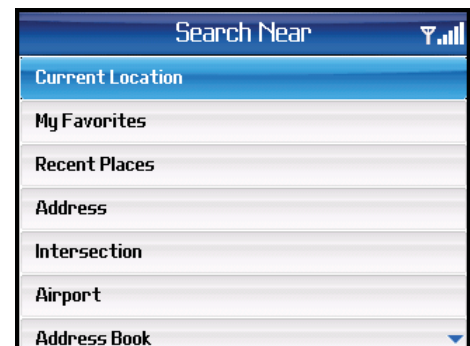
Search Within Category

1. Highlight and select **Search Within Category**.
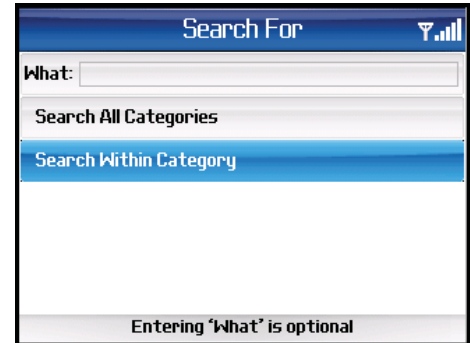
2. In the Search Within screen, you can narrow down your search by selecting from the appropriate category. Click on the plus (+) signs to expand a category and the minus (-) sign to collapse it. Select **Any** to view any business in a particular category.

3. After you choose a category, a list of nearby results will be displayed in order of closest distance. Make a selection from the list.

4. The Results screen appears with details about your selection. The screen shows: a) the name of the business, b) the distance from the search point, c) the street address, and d) the phone number (if available).
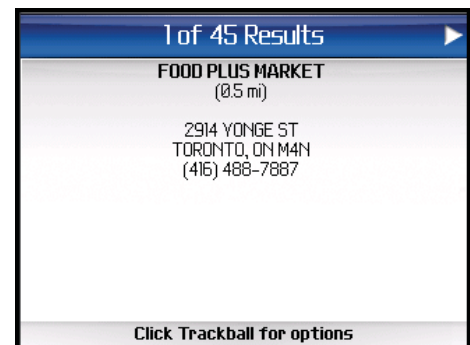
5. Click the trackball to expose the menu and choose from the following options:

- **Drive To** – Get driving directions (this option will take you to the Going To confirmation screen).

- **Map It** – View a map of the area surrounding the business address.

- **Call It –** Call the location (option only available if there is a phone number shown on the Results screen). See Making a Phone Call on Page **38** for more details about this feature.
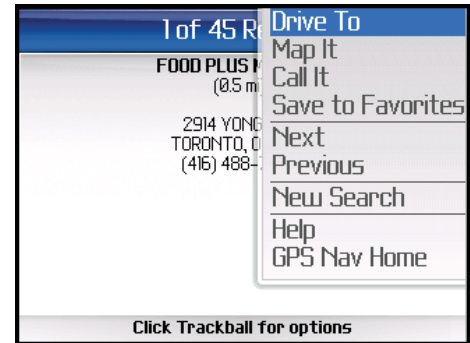
NOTE: When the call ends, you will be returned to the Results screen. The calling option will not be available if you are already on another call.

- **Save to Favorites** – Save the location to My Favorites.

NOTE: If a location is already part of your Favorites, you will not see the Save to Favorites option.

- **Next** – View the next result from the Search Results list.

- **Previous** – View the previous result from the Search Results list.

- **New Search** – Start a new search.

- **Help** – View the help content associated with this feature.

11. Maps menu

You can view maps in three different ways. The displayed map is always oriented with North towards the top of the screen.

1. From the Maps option in the Bell GPS Nav Main Menu.

   You can view a map of your Current Location, a Favorite Place, a Recent Place, an Address, an Intersection, a Business, or an Airport.
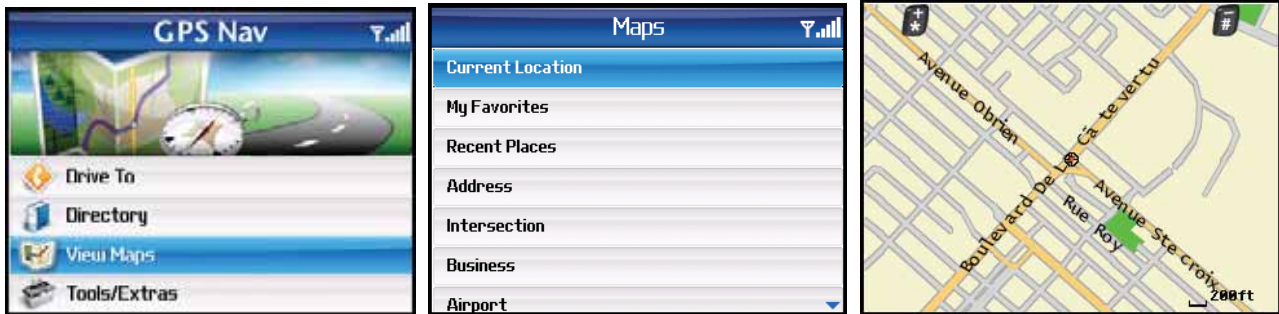
2. From the Map option for Favorites and Recent Places in the Drive To menu.

   For example, from the Bell GPS Nav Main Menu, select **Drive To** and choose **My Favorites**, press the **Menu** key, and select **Map It**.
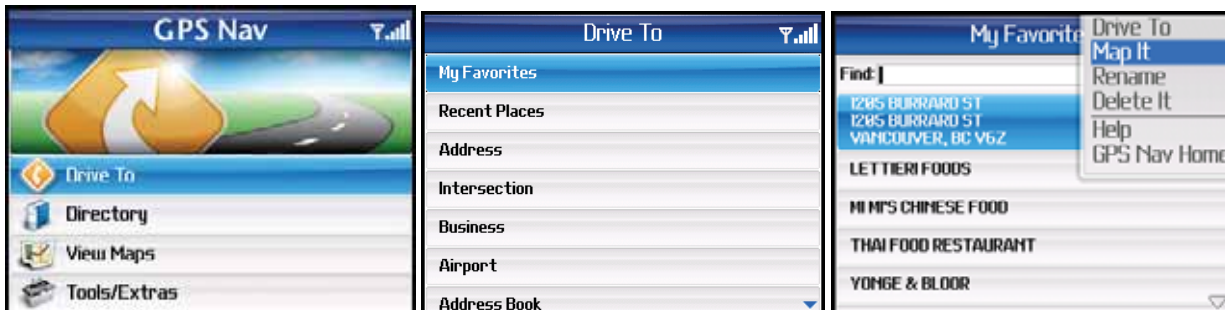
3. From the Map It option for any location that you have found using the Directory.

   For example, from the Bell GPS Nav Main Menu, select **Directory**. Search the category for your desired location and then select the **Map It** option in the menu for the location that you found.

Map menu options

You have the following options on the menu when viewing a map:

- **Drive To Cursor** – Begin a navigation session to get directions to the position of your cursor.

- **Save Location** – Save the location to your Favorites list.
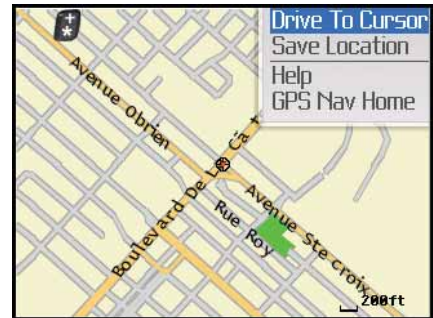
12. Tools/Extras menu

The Tools/Extras menu gives you options for setting your preferences and other features as described in the following sections.
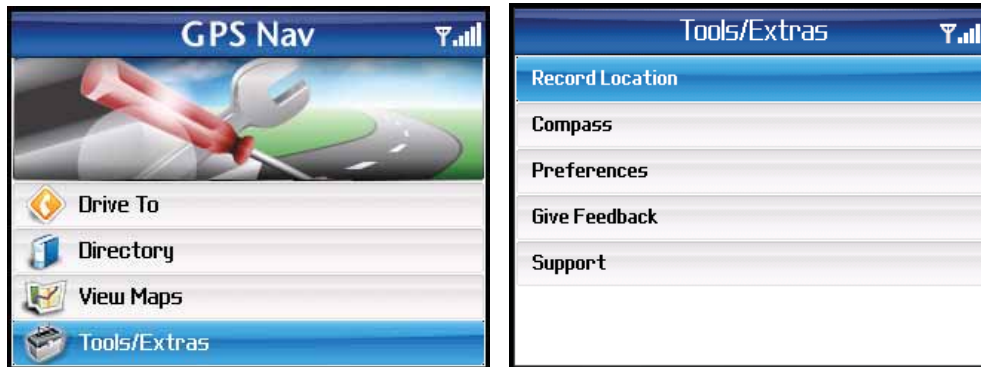
Record Location

To record your current location as a Favorite and mark it for future use, do the following:

NOTE: There may be brief wireless activity to determine GPS position.

1. Select **Tools/Extras** from the Bell GPS Nav Main Menu.

2. Choose the **Record Location** option.

3. Replace the default label and enter a label that accurately describes your current location, like **Work** or **Amy's School**. The default label is based on the current date. This label will appear in your Favorites list.

4. Click the trackball to **Save**.
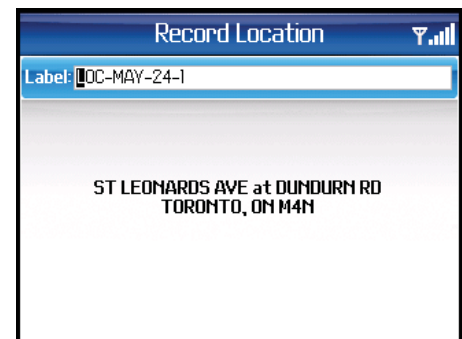
Compass

This screen is similar to a nautical compass. It displays:

- The direction that you are heading in (if you are moving).

- Your latitude and longitude.
    - If no GPS data is available, **No GPS** appears instead of the **latitude** and longitude.
    - Latitude is **represented** as N for north or S for south. Longitude is represented as W for West or E for East.

- Your speed in miles or kilometers per hour (select miles or kilometers in the Preferences menu as discussed below).
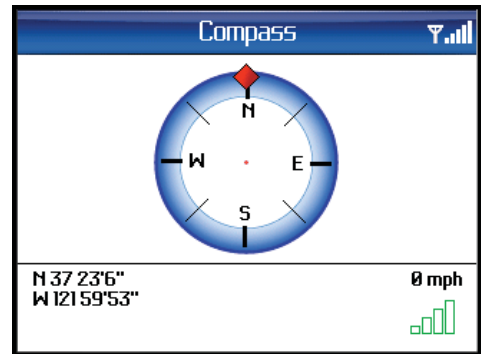
Preferences

You can set the following personal preferences by selecting **Tools/Extras** and choosing **Preferences**. Click the **Menu** key on each line to expose the menu and choose from the options available for that particular feature. After you select your new preference, choose **Save**.

- **Language** - Determines the language used for screen labeling and audio prompts: English (US) is available.

- **Audio Options -** Full Audio, Instructions Only, or No Audio. Full Audio announces street names.

- **Nav View -** None (Turn Icons Only), 2D Moving Maps, or 3D Moving Maps.

- **Route Type** - Fastest, Shortest, Prefer Streets, Prefer Highway, or Pedestrian.

- **Backlight -** On, Off, or On at Turns.

- **Distance Units** - Miles/Feet or Kilometers/Meters.
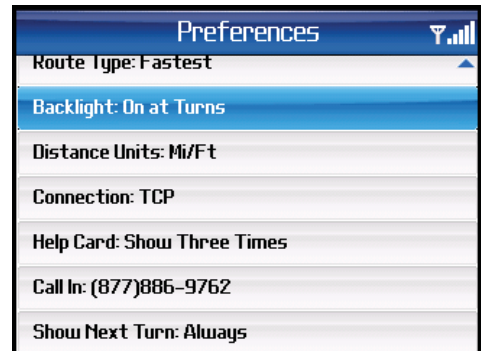
- **Connection -** Normally, you will not adjust this setting. If you are using your BlackBerry for corporate email via a BlackBerry Enterprise Server, then you should consult your IT Administrator to enable you to use the Mobile Data Service (MDS) for Internet access. Your administrator will need to enable MDS on your BlackBerry for this method to work..

- **Help Card** - Help cards prompt you with hints or cautions about using various menu options. To clear a help card from the screen, press the trackball. The Help cards feature has the following three options:
    - Show Three Times (and then don't display them again — this is the default setting)
    - Always On
    - Always Off
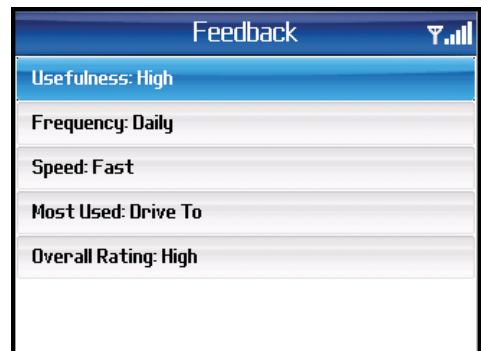
- **Call In -** The Call In option lets you select which phone number is dialed when you audibly input an address or intersection by speaking, if one number is toll-free and the other is not. The default is toll free. In some cases, calls placed to the toll-free 877 number do not carry Caller ID. When this happens, you must enter your phone number followed by the # key so that Bell GPS Nav can assign the address you dictate to your account. If the automated attendant asks for an account number in the geographical area where you most frequently use Bell GPS Nav, you should try dialing the regular phone number.

- **Show Next Turn** – Always (the next-turn icon appears immediately after the prior turn is made) or When Nearby (the next-turn icon will not appear until two minutes before the next turn).

Give feedback

The Feedback menu gives you the following options so you can give us your feedback about how Bell GPS Nav is working for you.

- **Usefulness** - High, Medium, or Low

- **Frequency** - Daily, Weekly, Monthly, or Less Often (less than monthly)

- **Speed** - Was the speed of Bell GPS Nav's response time Fast, Average, or Slow?

- **Most Used** - Drive To, Directory, Maps, or Other

- **Overall Rating** - High, Medium, or Low

Choose **Menu** , and select **Submit** to send us your feedback.

Support

Choose from the following options:

- **About GPS Nav** - This menu option shows the exact version of Bell GPS Nav that is on your phone. Knowing the exact version of your software may be helpful if you ever have to call Bell GPS Nav Technical Support.

- **Support Info** – Find contact information for Bell GPS Nav Customer Support here.

- **PIN Number** – View your PIN number.

[d8]

13. Suspending Bell GPS Nav

Making a phone call from Bell GPS Nav

You can Call In to a location that you have found in a Search such as a restaurant, a hotel, or a church. You can also select the **Call It** option in certain menus to input an address through speech, instead of typing it.
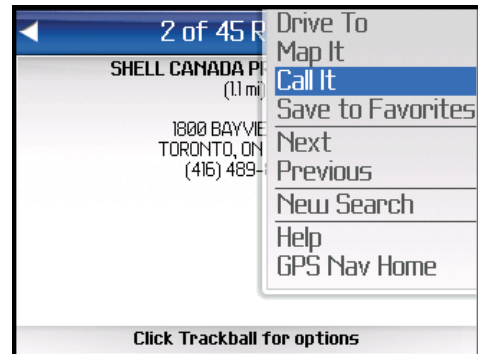
Taking an incoming call

When you are using Bell GPS Nav and your phone receives an incoming call, it rings and displays a screen that provides the option to **Answer** the call or **Ignore** the call.

If you ignore the call, Bell GPS Nav resumes and continues with the function that you were using before the call came in.

If you answer the call, Bell GPS Nav will be operating but in Suspended mode. After the call, press the **Escape** key to end the call. At this point, Bell GPS Nav should resume from its suspended state. If you are navigating and have gotten off the route, Bell GPS Nav will sound a deviation jingle and obtain a new route for you.

NOTE: When Bell GPS Nav briefly uses the data network, incoming calls may be blocked. When you are on an incoming call, Bell GPS Nav is still running and will periodically collect a GPS fix from the internal GPS receiver. When this fix is taken, there may be a very brief loss of intelligibility on the received audio from the caller.
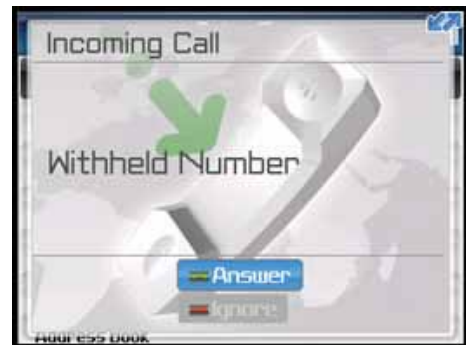
Calendar and email events

When a scheduled calendar event occurs, or an email message arrives while you are using Bell GPS Nav, a popup notification will appear similar to that shown on the right. You can interact with the Calendar or email event by Opening it, or you can Dismiss it. If you Open the application associated with the notification, Bell GPS Nav will be suspended while you are interacting with the other application, but it will still be navigating. However, if you get off route, Bell GPS Nav will not be able to recover until you leave the other application. Bell GPS Nav does not use the network while it is suspended.
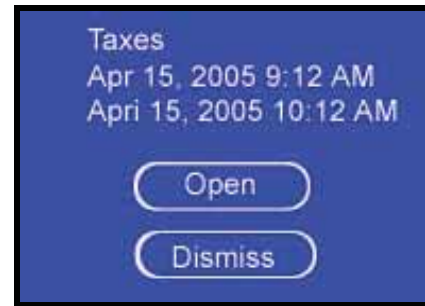
Interruption of other services

Whenever Bell GPS Nav needs to contact its servers (such as when generating a route), it uses your carrier's data service. When Bell GPS Nav uses your carrier's data service, other services such as SMS messaging and conventional cellular calls are not available. Typically, this interruption of other services lasts no more than 20 seconds.

When incoming calls are blocked due to Bell GPS Nav's use of your carrier's data network, phone calls go to your voice mail if you have a voice mail service available.

Switching between applications

Press the **ALT** key and the **ESCape** button concurrently to launch the BlackBerry application switcher. This will allow you to leave Bell GPS Nav running in suspended mode while looking at your email, or using another application. When you use the switcher to return to Bell GPS Nav, it will move to the foreground and resume operation. If while another application was in the foreground you have left the navigation route, Bell GPS Nav will sound a deviation jingle and obtain a new route for you.

14. Exiting Bell GPS Nav

To exit the Bell GPS Nav application, do the following:

1. When you are on the Bell GPS Nav Main Menu, press the **Escape** key on the BlackBerry.

2. In the **Exit Bell GPS Nav?** popup, choose **Exit**.

15. Removing Bell GPS Nav

Bell GPS Nav can be removed from your BlackBerry quickly, right from the device. Follow these steps to remove Bell GPS Nav from your BlackBerry.

NOTE: You should always remove Bell GPS Nav before completing a reinstall of the Bell GPS Nav application.

1. In the BlackBerry Main Menu, go to **Options** (depending on your hardware, you may need to first enter **Settings**).

2. In the Options screen, choose **Applications** (depending on your hardware, you may need to first enter **Advanced Options**).

3. Highlight **Bell GPS Nav** from the list.

4. Press the **Menu** key and choose **Delete**.

16. Error conditions

Account cancelled

You do not have a valid Bell GPS Nav account. Contact Bell GPS Nav Client Care at *611 from the Mobile Device or dial 1800667-0123.

Account not found

You do not have a valid Bell GPS Nav account. Contact Bell GPS Nav Client Care at *611 from the Mobile Device or dial 1800667-0123.

GPS signal weak or No GPS data

Move to an area where your device has a clearer view of the sky and can still connect with your device. Please note that some car windshields that have heat-reflective coatings may reduce the quality of the GPS signal.

Invalid login

Your account number is your 10-digit mobile phone number beginning with the area code.

Low Battery

The GPS will not work if the device's battery charge level is below about 15%. Starting with a freshly charged standard battery, you can use Bell GPS Nav for approximately four hours before it became necessary to connect the charging cable. If you get a low battery warning, connect a charging cable as soon as possible. In some cases, you may need to wait a while for the battery to become sufficiently charged so that the GPS receiver will work.

Please input phone number

You must provide your 10-digit mobile telephone number to log into Bell GPS Nav.

Phone number needs 10 digits

Enter the entire 10-digit phone number, not prefixed by 1.

Network Signal Weak

If the carrier network signal is weak, move to an area with improved reception, and try to regain network access again.

Bell GPS Nav encountered an error

Bell GPS Nav is having technical problems with the specific request that you made. This can be due to an address that it cannot find, or mapping data that does not allow routing from your current location, to your destination. In this case, try to use a nearby address.

Bell GPS Nav not available

If you get an advisory message that Bell GPS Nav is not available, exit the Bell GPS Nav application and then re-launch it. If the problem recurs, it may be due to a temporary Bell GPS Nav server outage.

Unable to generate a route

Bell GPS Nav could not generate a route between the two endpoints of the route. This may be a temporary error if you have a weak GPS signal when establishing the origin, but may be due to errors in the map data in the area around the destination.

Unable to reach Bell GPS Nav server

You may see this message for several different reasons: a) your data plan is not active, b) your WIX services are not enabled, c) you are outside of coverage, d) the data network is currently experiencing difficulties, or e) the Bell GPS Nav server is not acknowledging your phone's attempt to communicate.

You should call Bell Mobility Client Care at *611 from the Mobile Device or dial 1800667-0123.

Your account has expired

You do not have a valid Bell GPS Nav account. Order Bell GPS Nav by calling Bell Mobility Client Care at *611 from the Mobile Device or dial 1800667-0123.

17. FAQs

Why do I need the carrier's data service?

The data plan allows you to access nationwide routes, maps, and directory content from the Bell GPS Nav servers using the data communication features of your phone. These services are different from your cellular airtime. To order a data plan from Bell Mobility, please contact their Client Care directly:

Bell Mobility Client Care: *611 from the Mobile Device or dial 1800667-0123.

How long after I apply for the data service until I can use my Bell GPS Nav system?

If you already have data services, it should be no more than a few minutes to download and activate the GPS Nav service.

Does Bell GPS Nav use up my voice plan minutes?

Bell GPS Nav uses data to provide its navigation functions. Using data does not use any of your voice minutes. However, calling the Voice Address Input System does use about 75 seconds per address entered. The Voice Call feature internal to the Bell GPS Nav application also uses voice minutes.

How do I increase or decrease the voice prompt volume and control the backlighting?

The backlight and speaker volume levels can be controlled from within Bell GPS Nav, by accessing the **Tools/Extras** menu, and selecting **Preferences**. If the speaker volume is set to at least mid-range and you are still not receiving audio prompts, verify that your device profile is not set to vibrate or quiet. To change your profile settings, select the **Profiles** icon on the BlackBerry Main Menu (it looks like a loudspeaker).

How accurate is the GPS?

GPS accuracy can range from 20m (approx. 65 ft) to 100m (approx. 328 ft). Most of the time, the GPS is accurate to less than 50 meters (approx. 164 ft).

What is the ideal GPS environment?

The GPS receiver requires an open, clear view of the sky. Obstructions such as buildings, covered parking areas, tunnels, and dense foliage can cause interference in its ability to locate a GPS satellite, or may cause extended initialization time (time to first GPS fix).

If you are parked in a covered parking lot or near a tall building, it is recommended that you move into an open area and then begin to use the Bell GPS Nav service.

Why does the GPS not work near buildings and other tall objects?

The GPS uses signals from satellites so it needs a clear view of the sky. Tall buildings and other objects that block the GPS receiver's view to the sky may make it impossible to determine your location. Sometimes the satellites are not overhead but near the horizon; in these cases, the GPS receiver in your phone must have a clear view of the horizon.

How do I know that the GPS has a signal?

The Bell GPS Nav alerts you if you do not have a valid GPS signal. If this happens, move to an area where there is a clear view of the sky so the receiver can hear the GPS signals from space.

What happens if I'm using Bell GPS Nav for driving directions and I lose the GPS signal while driving across a bridge or through a tunnel, or lose the GPS signal for some other reason?

Bell GPS Nav remembers the speed at which you were driving before losing the GPS signal. Bell GPS Nav continues to give you driving directions based on an estimate of the projected distance that you may have traveled at your last recorded rate of speed. Bell GPS Nav recalculates your current position when you regain a GPS signal and adjusts your driving directions accordingly.

18. Customer support

Send an email with your questions or comments to Bell Mobility Client Care. We will promptly reply to your inquiries.

Bell Mobility customer support

www.bell.ca/gpsnav

Client Care Line: *611 from the Mobile Device or dial 1800667-0123.

19. TeleNav services warranty

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